

WATER QUALITY PROJECT FACT SHEET

CLEARY LAKE STORMWATER IMPROVEMENTS



Why did SWMO choose this Project?

When Three Rivers Park District decided to update access to Cleary Lake at the Regional Park, they teamed with SWMO to upgrade stormwater treatment in the park. The lake has a history of high phosphorus levels, which impacts recreation. By installing six raingardens, the district and the SWMO brought the park's stormwater treatment up to current standards, buffered the lake from pollutants, and added educational tools in the park.

Raingardens are designed to collect stormwater from nearby hard surfaces like rooftops and roads. They contain native plants that enjoy being occasionally flooded. These plants soak up nutrients, look beautiful, and provide habitat for wildlife.

Lastly, two of the raingardens (pictured on the back) have innovative features:

1. An amphitheater for educators to use as an outdoor classroom (Photo 2).
2. An iron-sand filter bridge that catches phosphorus long before it enters the lake (Photo 3).

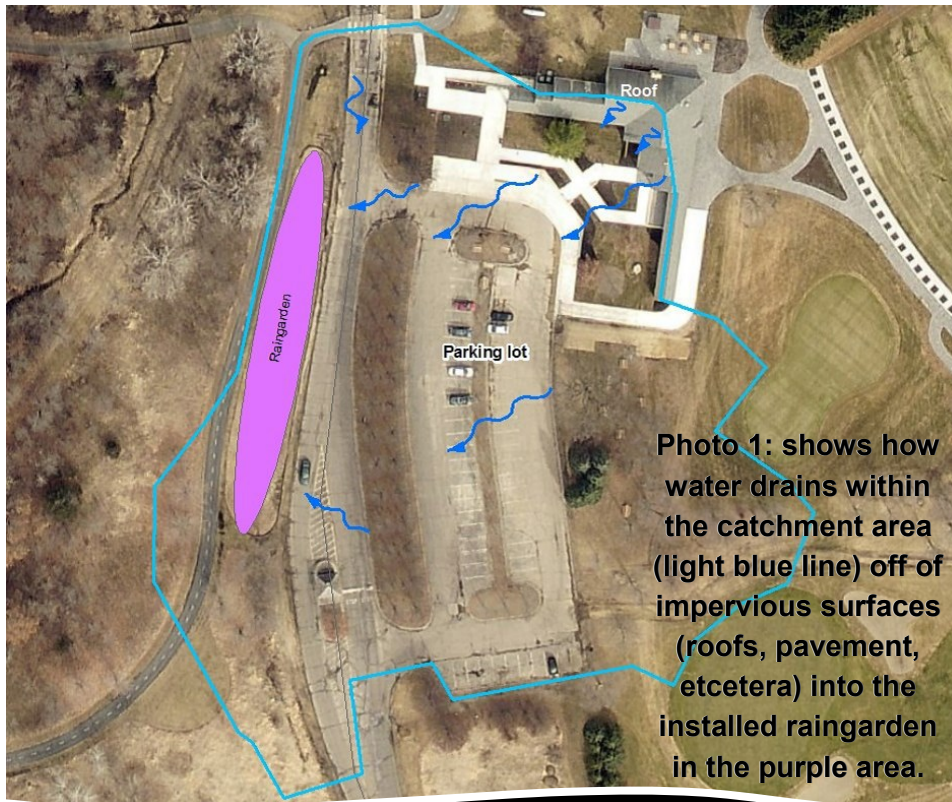


Photo 1: shows how water drains within the catchment area (light blue line) off of impervious surfaces (roofs, pavement, etcetera) into the installed raingarden in the purple area.

QUICK FACTS

Major River Basin: Minnesota River

Water Bodies Affected: Cleary Lake

Project Goals:

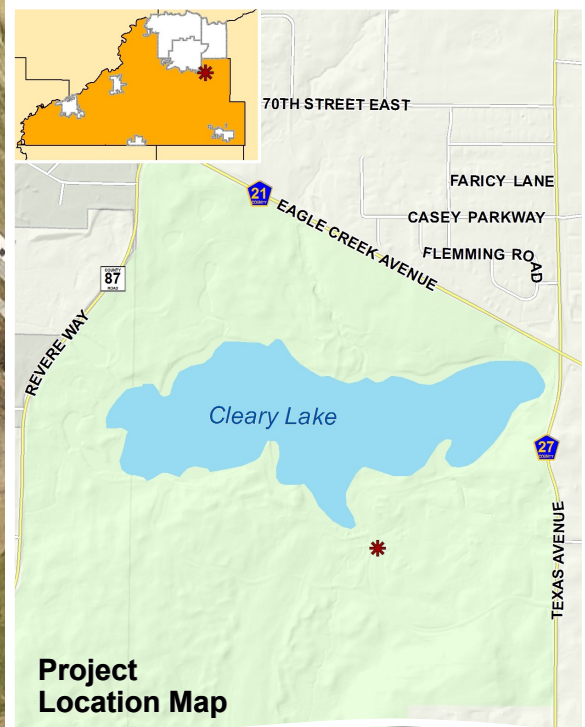
1. Treat stormwater before it discharges into the lake
2. Increase public awareness
3. Improve water quality
4. Improve wildlife habitat

Timeline: Fall 2013 - Spring 2016

Costs: \$400,000

Project Designs: Emmons & Olivier Resources, Inc.

Construction by: K. A. Witt



Project Location Map

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Photo 2: Raingarden featuring a stone path and amphitheater.



Photo 3: Bridge with iron-sand filter (mix includes 7% iron flakes, which remove up to 90% of phosphorus).

MAJOR OUTCOMES

- 6 raingardens were installed
 - 1 with an amphitheater to serve as an outdoor classroom
 - 1 with an iron-sand filter bridge
- 11 pounds of phosphorus per year prevented from entering Cleary Lake.

COST SHARE AVAILABLE

Do you like this project? If so, check out our cost share programs! Financial and technical assistance are available to landowners to install similar conservation projects.

Please contact Scott Soil and Water Conservation District (SWCD) for more information:

7151 190th Street West, Suite 125, Jordan
MN 55352
952-492-5425

WANT TO LEARN MORE OR HELP?

- ⇒ Visit our [website](#) for more information on projects, volunteer opportunities, and more.
- ⇒ Contact Scott WMO to learn more about how we work with townships, cities, and other agencies to improve the quality of living in Scott County.
- ⇒ Coming Soon: Scott WMO [Story Maps](#)!
- ⇒ Visit [Blue Thumb](#)'s webpage for more information on landscaping for water quality.
- ⇒ Visit any of our partners (see logos below) for more opportunities to help and success stories!



SCOTT WATERSHED MANAGEMENT ORGANIZATION (SWMO)
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